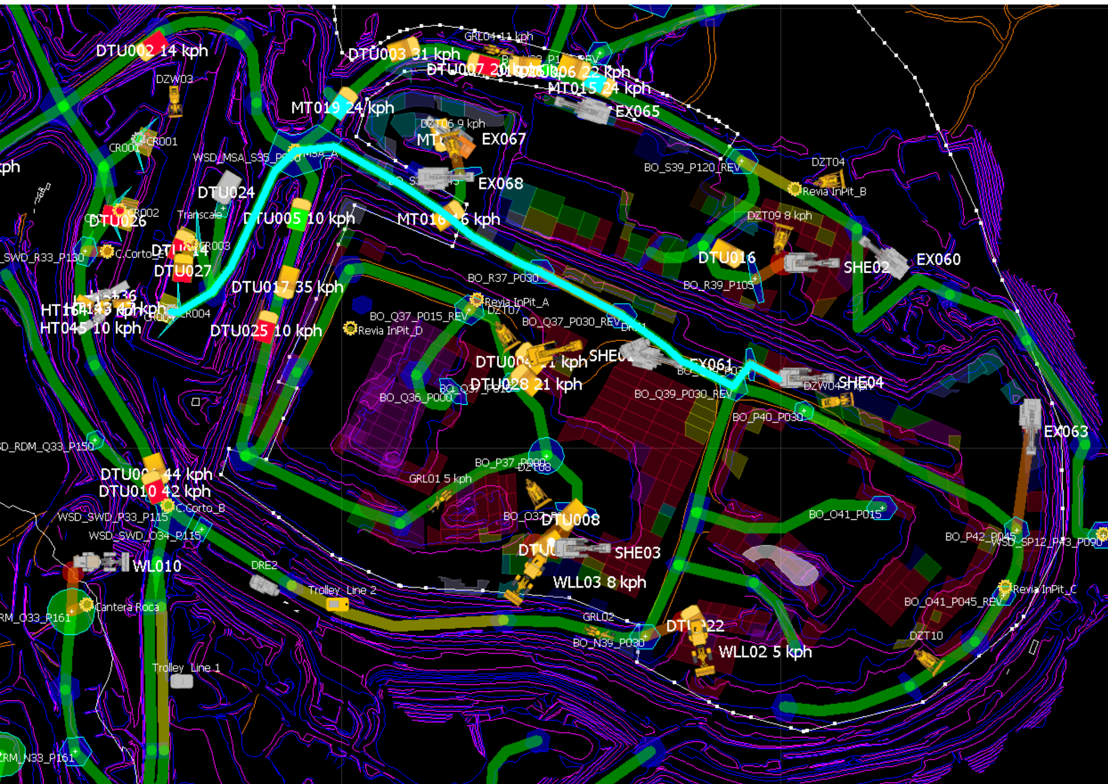
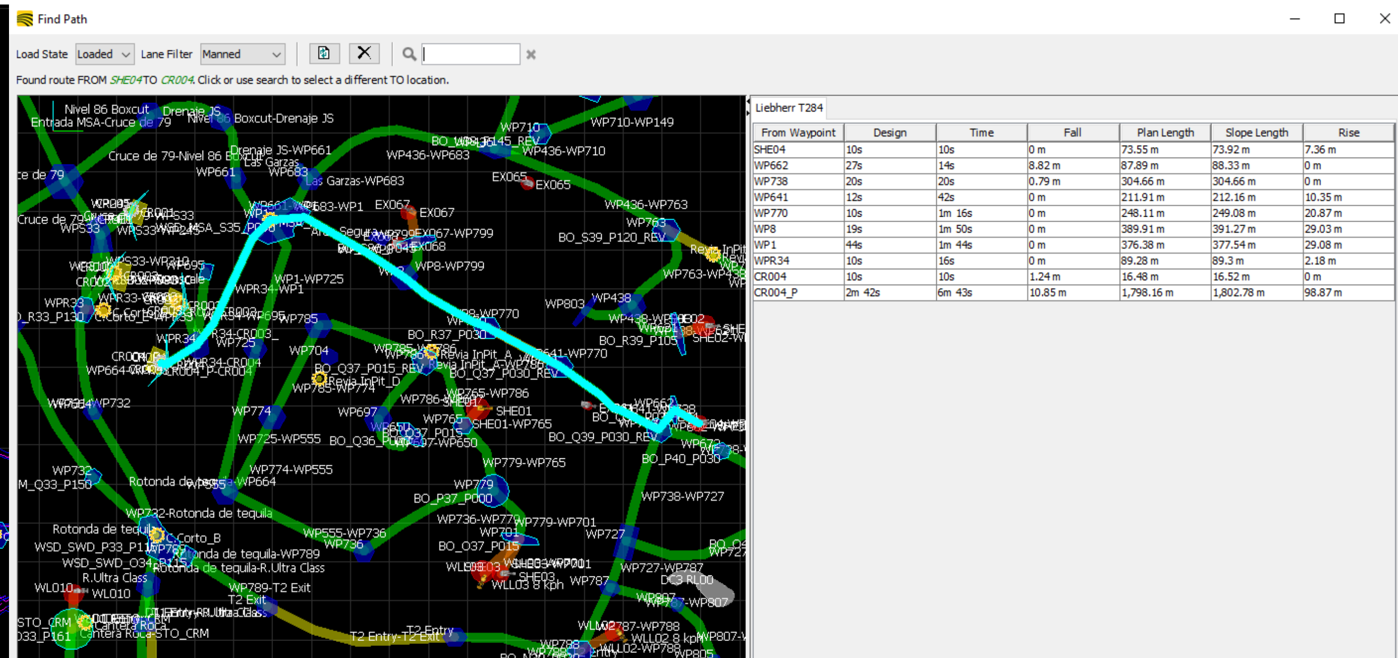
Optimización de las rutas de acarreo

- **MineStar: Es un software el cual se utiliza para determiner la mejor ruta para el transporte de material del Tajo hacia la chancadora o del Tajo a los depocitos de Esteril**

Example # 1: Destination from SHE04 to CR004. No restriction on the roads.



Best Path Information

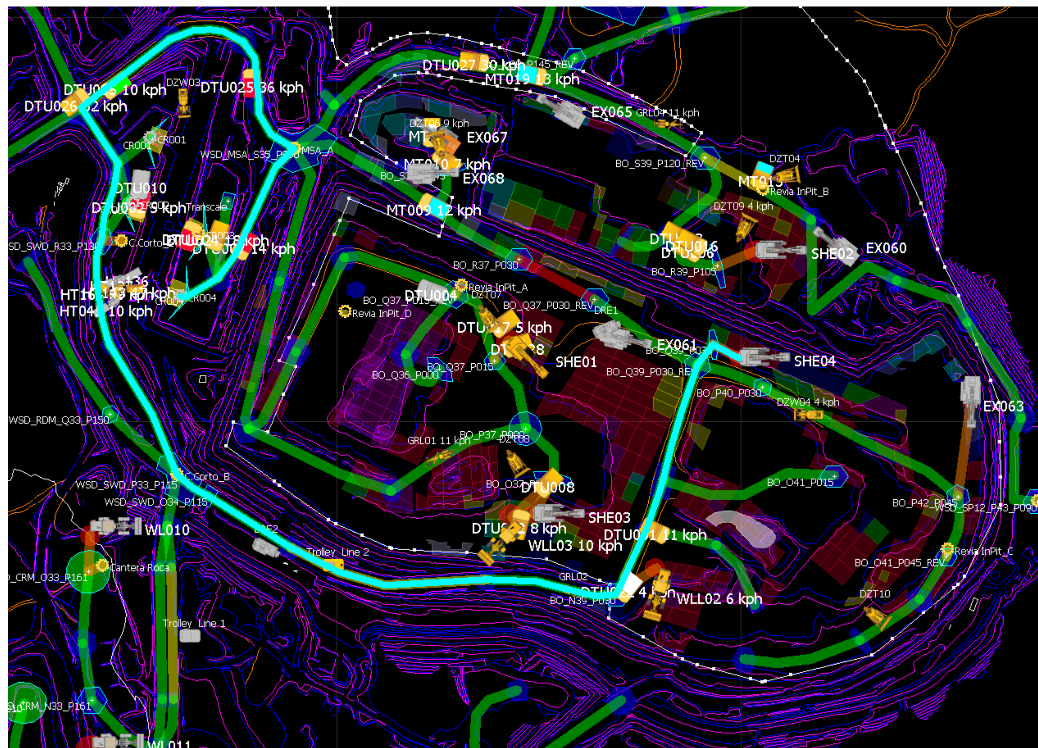


From Waypoint	Design	Time	Fall	Plan Length	Slope Length	Rise
SHE04	10s	10s	0 m	73.55 m	73.92 m	7.36 m
WP662	27s	14s	8.82 m	87.89 m	88.33 m	0 m
WP738	20s	20s	0.79 m	304.66 m	304.66 m	0 m
WP641	12s	42s	0 m	211.91 m	212.16 m	10.35 m
WP770	10s	1m 16s	0 m	248.11 m	249.08 m	20.87 m
WP8	19s	1m 50s	0 m	389.91 m	391.27 m	29.03 m
WP1	44s	1m 44s	0 m	376.38 m	377.54 m	29.08 m
WPR34	10s	16s	0 m	89.28 m	89.3 m	2.18 m
CR004	10s	10s	1.24 m	16.48 m	16.52 m	0 m
CR004_P	2m 42s	6m 43s	10.85 m	1,798.16 m	1,802.78 m	98.87 m

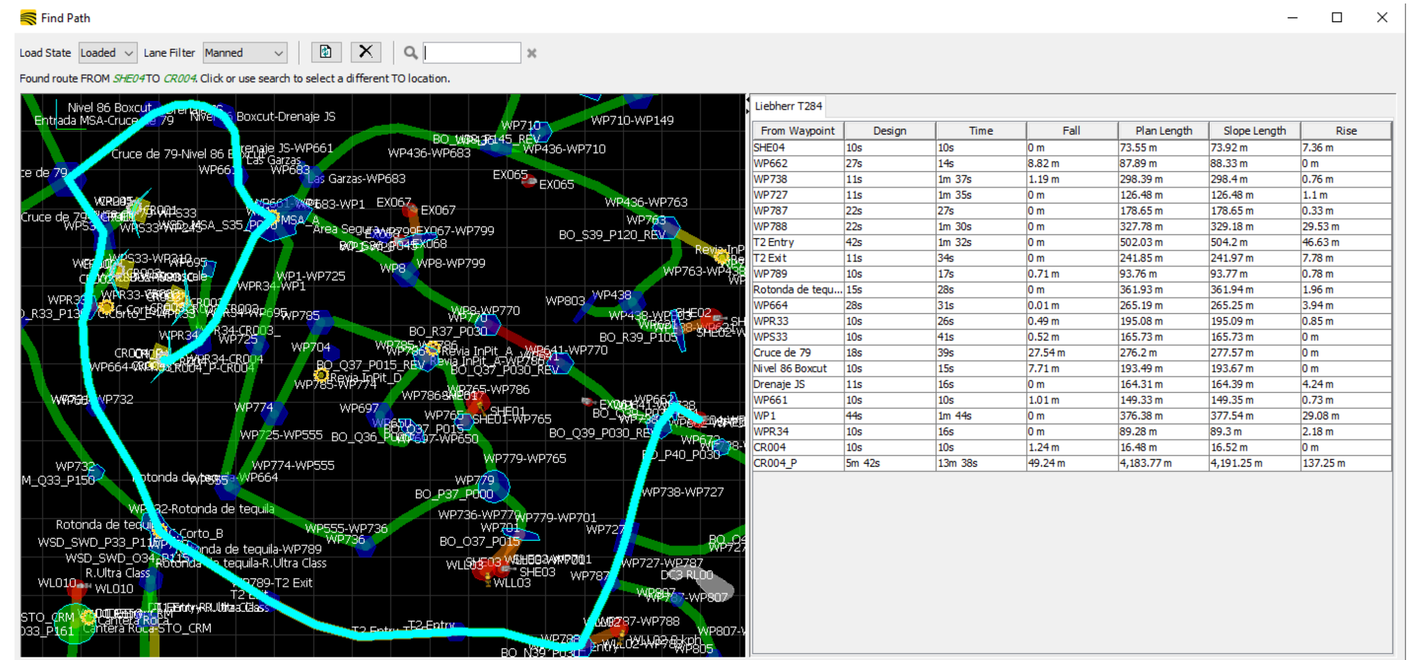
Optimización de las rutas de acarreo

- **El Sistema de dispatch para la optimización de las rutas de acarreo trabaja las 24hr del día y 365 día año**

Example # 2: Destination from SHE04 to CR004.
Road with restriction (see red segment).



Best Path Information (alternative route)



From Waypoint	Design	Time	Fall	Plan Length	Slope Length	Rise
SHE04	10s	10s	0 m	73.55 m	73.92 m	7.36 m
WP662	27s	14s	8.82 m	87.89 m	88.33 m	0 m
WP738	11s	1m 37s	1.19 m	298.39 m	298.4 m	0.76 m
WP727	11s	1m 35s	0 m	126.48 m	126.48 m	1.1 m
WP787	22s	27s	0 m	178.65 m	178.65 m	0.33 m
WP788	22s	1m 30s	0 m	327.78 m	329.18 m	29.53 m
T2 Entry	42s	1m 32s	0 m	502.03 m	504.2 m	46.63 m
T2 Exit	11s	34s	0 m	241.85 m	241.97 m	7.78 m
WP789	10s	17s	0.71 m	93.76 m	93.77 m	0.78 m
Rotonda de tequ...	15s	28s	0 m	361.93 m	361.94 m	1.96 m
WP664	28s	31s	0.01 m	265.19 m	265.25 m	3.94 m
WPR33	10s	26s	0.49 m	195.08 m	195.09 m	0.85 m
WPS33	10s	41s	0.52 m	165.73 m	165.73 m	0 m
Cruce de 79	18s	39s	27.54 m	276.2 m	277.57 m	0 m
Nivel 86 Boxcut	10s	15s	7.71 m	193.49 m	193.67 m	0 m
Drenaje JS	11s	16s	0 m	164.31 m	164.39 m	4.24 m
WP661	10s	10s	1.01 m	149.33 m	149.35 m	0.73 m
WP1	44s	1m 44s	0 m	376.38 m	377.54 m	29.08 m
WPR34	10s	16s	0 m	89.28 m	89.3 m	2.18 m
CR004	10s	10s	1.24 m	16.48 m	16.52 m	0 m
CR004_P	5m 42s	13m 38s	49.24 m	4,183.77 m	4,191.25 m	137.25 m